

Listing of claims:

The following listing of claims replaces all previous listing of claims in this application.

Claim 1-9 (Previously cancelled)

Claims 10-46 (Cancelled)

47. (New) A system for distributing high-speed packetized information to a plurality of subscriber units, comprising:

a host digital terminal distribution center for converting the high-speed packetized information to a first optical format;

a distributed routing network in communication with the host digital terminal distribution center, the distributed routing network comprising,

a plurality of distribution points, each distribution point in the plurality of distribution points in radio contact with at least one other distribution point in the plurality of distribution points; and

a plurality of access points,

wherein the host digital terminal is in communication with at least one of the plurality of access points or at least one of the plurality of distribution points; an optical network unit in communication with the distributed routing network and adapted to convert the packetized information from the first optical format to a second optical format;

a network interface device in communication with the optical network unit for forwarding the high-speed packetized information in the second optical format to at least one of the plurality of subscribers.

48. (New) The system of claim 47, wherein the second optical format is compatible with copper wiring.
49. (New) The system of claim 47, wherein the second optical format is compatible with coaxial cable.
50. (New) The system of claim 47, wherein the high-speed packetized information is provided through a VDSL service.
51. (New) The system of claim 47, wherein the high-speed packetized information is provided through a fiber optic service.
52. (New) The system of claim 47, wherein the host digital terminal distribution center provides a plurality of video channels for distribution to the subscriber unit.
53. (New) The system of claim 47 wherein the subscriber unit is a mobile device in communication with the distributed routing network through a wireless connection.
54. (New) The system of claim 47 wherein the subscriber unit is a mobile device in communication with the distributed routing network through a land line connection.
55. (New) The system of claim 47 wherein the network interface device is a set-top box.
56. (New) The system of claim 47 wherein the network interface device is a gateway.
57. (New) The system of claim 47 wherein the network interface device is a decoder.

58. (New) A system for distributing high-speed packetized information to a plurality of subscriber units, comprising:

a host digital terminal video distribution center for storing data and converting the data to high-speed packetized information in a first optical format;

a distributed routing network in communication with the host digital terminal distribution center for,

an optical network unit in communication with the distributed routing network and adapted to convert the packetized information from the first optical format to a second optical format;

a network interface device in communication with the optical network unit for forwarding the high-speed packetized information in the second optical format to at least one of the plurality of subscribers.

59. (New) The system of claim 58, wherein the data stored on the host digital terminal video distribution center comprises a plurality of information channels.

60. (New) The system of claim 59, wherein the host digital terminal video distribution center is adapted to receive a request from at least one of the subscriber units to access one of the plurality of information channels.

61. (New) The system of claim 60, wherein the host digital terminal video distribution center is adapted to respond to the request from at least one of the subscriber units to access one of the plurality of information channels and deliver the information channel to the subscriber unit.

62. (New) A method of distributing high-speed information packets to at least one of a plurality of subscribers, comprising:

storing data at a host digital terminal distribution center;

converting the data into a plurality of high-speed information packets;

converting the plurality of high speed information packets into a first optical format;

forwarding at least one of the plurality of high-speed information packets to a distributed routing network, the distributed routing network comprising,

- a plurality of distribution points, each distribution point in the plurality of distribution points in radio contact with at least one other distribution point in the plurality of distribution points; and
- a plurality of access points, wherein the host digital terminal is in communication with at least one of the plurality of access points or at least one of the plurality of distribution points;

forwarding the at least one of the plurality of high-speed information packets to an optical network unit in communication with the distributed routing network;

converting the at least one of the plurality of high-speed information packets from the first optical format to a second optical format;

forwarding the at least one of the plurality of high-speed information packets in the second optical format to the at least one of a plurality of subscriber units.

63. (New) The method of claim 62 further comprising:
- processing a request at the subscriber unit to access the data stored at the host digital terminal distribution center;
- determining if the data stored at the host digital terminal distribution center is available for distribution.
64. (New) The method of claim 63 wherein processing a request at the subscriber unit to access the data stored at the host digital terminal distribution center comprises determining that the requesting subscriber unit is within the coverage area of the host digital terminal distribution center.
65. (New) The method of claim 63 wherein processing a request at the subscriber unit to access the data stored at the host digital terminal distribution center comprises receiving a message from the subscriber unit.
66. (New) The method of claim 62 further comprising transmitting a dummy address as the destination for the data.
67. (New) The method of claim 62, further comprising:
- determining that the plurality of subscriber units are no longer accessing the data;
- terminating transmission of the data; and
- noting that at least one of the subscriber units is no longer receiving the data.